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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/633,610	08/01/2003	Ajit Karmaker	JPP-1230CIP3A	4910

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EXAMINER

O'CONNOR, CARY E

ART UNIT PAPER NUMBER

3732

DATE MAILED: 03/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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<b>Office Action Summary</b>	<b>Application No.</b> 10/633,610	<b>Applicant(s)</b> KARMAKER ET AL	
	<b>Examiner</b> Cary E. O'Connor	<b>Art Unit</b> 3732	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-99 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 95-99 is/are allowed.
- 6) ☒ Claim(s) 1-95 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |  |
|---|--|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>8-1-03</u> . | 6) <input type="checkbox"/> Other: ____  |

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 47, 48, 50, 52-54, 58, 60, 67, 68, 70, 72-75, 79, 81, 89 and 90 are rejected under 35 U.S.C. 102(b) as being anticipated by Johnson (4,758,156). Johnson shows an endodontic post comprising a post section comprising a rigid endodontic section and a tip section. The tip section is surrounded by a filler cone 28. The tip section comprises at least one protrusion 20A extending outwardly and disposed at various points along the tip section for engaging the filler cone. As to claims 53 and 73, note the spherical protrusions 44. As to claims 54 and 75, note that the post section may be made of stainless or plastic (column 2, lines 20-24). As to claims 58, 60, 79 and 81, note that the filler cone may comprise gutta percha (column 4, lines 33-34).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-11, 15-46, 89-94 and 46 are rejected under 35 U.S.C. 103(a) as being unpatentable over Manocha (5,595,486) in view of Kert (6,010,335) and Johnson (4,758,156). Manocha shows an endodontic post comprising a post section comprising a rigid endodontic section 20 and a tip section 10. The tip section is surrounded by a filler cone 50. Manocha does not disclose that the tip section is flexible or that it has at least one protrusion extending outwardly therefrom for engaging the filler cone. Kert shows an endodontic post where the tip section is flexible. It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the tip section of Manocha flexible, as taught by Kert, so that the tip section can adapt to the curvature of the root. Johnson shows an endodontic post comprising a post section comprising a rigid endodontic section and a tip section. The tip section is surrounded by a filler cone 28. The tip section comprises at least one protrusion 20A extending outwardly and disposed at various points along the tip section for engaging the filler cone. It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the tip section of Manocha with at least one protrusion, in view of Johnson, in order to provide adhesion surfaces for the filler cone. As to claims 4 and 27, Manocha discloses the claimed invention except for the carrier extending the full length of the filler cone. It would have been an obvious matter of design choice to form the carrier so that extends the full length of the filler cone, since such a modification would have involved a mere change in the size of a component. A change in size is generally recognized as being within the level of ordinary skill in the art. In re Rose, 105 USPQ 237 (CCPA 1955). As to claims 6 and 29, Johnson does not

disclose a single protrusion. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide only a single protrusion, since it has been held that discovering an optimum value of a result effective variable involves only routine skill in the art. In re Boesch, 617 F.2d 272, 205 USPQ 215 (CCPA 1980). As to claims 9 and 32, note that the tip section of Manocha is narrower in diameter than the diameter of the endodontic portion. As to claim 10, note the supracoronal portion 22 of Manocha. As to claims 11 and 33, note that the post of Manocha may be made of stainless steel, plastic, titanium or other biocompatible material (column 2, lines 62-64). As to claims 15, 17, 37 and 39, note that the filler cone of Manocha may comprise gutta percha (column 2, lines 4-5). As to claims 24 and 46, the filler cone of Kert may include an anti-microbiological agent to prevent the risk of inflammation and infection. It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the filler cone material of Manocha with an antibiotic, in view of Kert, in order to prevent the risk of inflammation and infection. As to claims 16, 18-23, 38, 40-45, without a showing of criticality, the specific material used for the filler cone is considered to have been an obvious design choice, to one of ordinary skill in the art.

Claims 12-14, 34-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Manocha (5,595,486) in view of Kert (6,010,335) and Johnson (4,758,156) as applied to claim 11 above, and further in view of Goldberg (4,894,012). Johnson does not set forth the claimed materials used to form the shaft. Goldberg discloses fiber or filler reinforced materials. It would have been obvious to one of ordinary skill in the art

at the time the invention was made to form the shaft of Johnson of the materials disclosed by Goldberg, in order to improve structural integrity.

Claims 49, 51, 59, 61-65, 69, 71, 80 and 82-87 are rejected under 35 U.S.C. 103(a) as being unpatentable over Johnson (4,758,156). As to claims 51 and 71, Johnson does not disclose a single protrusion. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide only a single protrusion, since it has been held that discovering an optimum value of a result effective variable involves only routine skill in the art. In re Boesch, 617 F.2d 272, 205 USPQ 215 (CCPA 1980). As to claims 49 and 69, Manocha discloses the claimed invention except for the carrier extending the full length of the filler cone. It would have been an obvious matter of design choice to form the carrier so that extends the full length of the filler cone, since such a modification would have involved a mere change in the size of a component. A change in size is generally recognized as being within the level of ordinary skill in the art. In re Rose, 105 USPQ 237 (CCPA 1955). As to claims 59, 61-65, 80, 82-87, without a showing of criticality, the specific material used for the filler cone is considered to have been an obvious design choice, to one of ordinary skill in the art.

Claims 55-57, 76-78 are rejected under 35 U.S.C. 103(a) as being unpatentable over Johnson (4,758,156) in view of Goldberg (4,894,012). Johnson does not set forth the claimed materials used to form the shaft. Goldberg discloses fiber or filler reinforced materials. It would have been obvious to one of ordinary skill in the art at the time the

invention was made to form the shaft of Johnson of the materials disclosed by Goldberg, in order to improve structural integrity.

Claims 66 and 88 are rejected under 35 U.S.C. 103(a) as being unpatentable over Johnson (4,758,156) in view of Kert (6,010,335). The filler cone of Johnson does not include the claimed agents. The filler cone of Kert may include an anti-microbiological agent to prevent the risk of inflammation and infection. It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the filler cone material of Johnson with an antibiotic, in view of Kert, in order to prevent the risk of inflammation and infection.

Claims 89-93 are rejected under 35 U.S.C. 103(a) as being unpatentable over Manocha (5,595,486) in view of and Johnson (4,758,156). Manocha shows an endodontic post comprising a post section comprising a rigid endodontic section 20 and a tip section 10. The tip section is surrounded by a filler cone 50. Manocha does not disclose that the tip section has at least one protrusion extending outwardly therefrom for engaging the filler cone. Johnson shows an endodontic post comprising a post section comprising a rigid endodontic section and a tip section. The tip section is surrounded by a filler cone 28. The tip section comprises at least one protrusion 20A extending outwardly and disposed at various points along the tip section for engaging the filler cone. It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the tip section of Manocha with at least one protrusion, in view of Johnson, in order to provide adhesion surfaces for the filler cone.

As to claim 91, note that Manocha discloses injecting a sealing material into the canal prior to insertion of the post (column 4, second paragraph).

***Allowable Subject Matter***

Claims 95-99 are allowed.

***Specification***

The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: The materials set forth in claims 19-23, 41-45, 62-65 and some of the materials set forth in claims 18, 40, 61, 82, 83-87 do not have proper antecedent basis in the specification.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cary E. O'Connor whose telephone number is 571-272-4715. The examiner can normally be reached on M-Th 7:00-3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Shaver can be reached on 571-272-4720. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.



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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Cary E. O'Connor  
Primary Examiner  
Art Unit 3732

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